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## Claims

## 1. The use of polymers of

1 to 98.9% by weight of vinylcaprolactam (monomer A)  
1 to 98.9% by weight of vinylpyrrolidone (monomer B)  
0.1 to 5% by weight of vinylimidazole (monomer C)  
0 to 10% by weight of monomer D  
0 to 10% by weight (based on the total amount of monomer)  
of polymer E,

where the weight ratio of monomer C to monomer B is less than  
1:12,

in cosmetic preparations.

## 2. The use according to claim 1, where the polymer consists of

30 to 59% by weight Monomer A  
40 to 69% by weight of monomer B  
1 to 4.9% by weight of monomer C  
0 to 10% by weight of monomer D  
0 to 10% by weight (based on the total amount of monomer)  
of polymer E

## 3. The use according to claim 1 to 2 in hair cosmetic preparations, in particular in hair-setting compositions and hair shampoo.

## 4. The use according to claim 1 to 2 in skin cosmetic preparations.

## 5. A hair-setting preparation, in particular in the form of a foam, mousse, spray or gel, where the active constituent used is a polymer according to claim 1 to 2.

Use of polymers based on N-vinylcaprolactam

Abstract

The present invention relates to cosmetic preparations, in particular for hair cosmetic applications, which comprise copolymers based on N-vinyllactams and N-vinyl heterocyclic compounds.